December 04, 2007

ANALYTICAL TEST RESULTS

Raymond Siegener
GEI Consultants, Inc.
400 Unicorn Park Drive
Woburn, MA 01801
TEL: (781) 721-4098
FAX: (781) 721-4073

Subject: 00291-4 DCR Canton Airport   Workorder No.:   0711087

Dear Raymond Siegener:

AMRO Environmental Laboratories Corp. received 1 sample on 11/20/07 for the analyses presented in the following report.

AMRO is accredited in accordance with NELAC and certifies that these test results meet all the requirements of NELAC, where applicable, unless otherwise noted in the case narrative.

The enclosed Sample Receipt Checklist details the condition of your sample(s) upon receipt. Please be advised that any unused sample volume and sample extracts will be stored for a period of 60 days from sample receipt date (90 days for samples from New York).   After this time, AMRO will properly dispose of the remaining sample(s).   If you require further analysis, or need the samples held for a longer period, please contact us immediately.

This report consists of a total of _12_ pages.   This letter is an integral part of your data report.   All results in this project relate only to the sample(s) as received by the laboratory and documented in the Chain-of-Custody.   This report shall not be reproduced except in full, without the written approval of the laboratory. If you have any questions regarding this project in the future, please refer to the Workorder Number above.

Sincerely,

Nancy Stewart
Vice President

AMRO Environmental Laboratories Corp.

CLIENT:	GEI Consultants, Inc.
Project:	00291-4 DCR Canton Airport
Lab Order:	0711087
Date Received:	11/20/07

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Collection Date	Collection Time
0711087-01A	002914-B105D (MW)	11/19/07	11:46 AM

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AMRO Environmental Laboratories Corp.

29-Nov-07

DATES REPORT

Lab Order:	0711087
Client:	GEI Consultants, Inc.
Project:	00291-4 DCR Canton Airport

| Sample ID | Client Sample ID | Collection Date | Matrix | Analytical Test Name | Prep Date | Analysis Date | TCLP Date |
				Preparatory Test Name		Batch ID	
0711087-01A	002914-B105D (MW)	11/19/07 11:46:00 AM	Groundwater	EPA 8082 PCBS IN WATER		11/27/07	
				EPA 3510 AQPREP SEP FUNNEL: PCB	11/26/07	17878	

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Chain-of-Custody Record

GEI Consultants
400 Unicorn Park Drive
Woburn, MA 01801
PH: 781.721.4000
FX: 781.721.4073

Laboratory: AMRO

Project Information

Project Name: DCR Canton Airport

Project Number: 00291-4

Project Location: Canton, MA

Project Manager: Saskia Oosting

Send Report to: Saskia Oosting

Send EDD to: labdata@geiconsultants.com

Sample Handling

Samples Field Filtered — YES **NO** NA

Sampled Shipped With Ice — **YES** NO

MCP PRESUMPTIVE CERTAINTY REQUIRED – YES NO

If Yes, Are MCP Analytical Methods Required? — **YES** NO NA

If Yes, Are Drinking Water Samples Submitted? — YES **NO** NA

If Yes, Have You Met Minimum Field QC Requirements? — **YES** NO NA

Lab Sample Number	GEI Sample ID	Collection Date	Time	Matrix	No. of Bottles	Sampler(s) Initials	PCBs	Sample Specific Remarks
	002914-B105D (MW)	11/19/2007	11:46	GW	2	AH	X	

MCP Level Needed: GEI requires the most stringent Method 1 MCP standard be met for all analytes whenever possible.

Relinquished by: (signature)	Date:	Time:	Received by: (signature)
1.	11/19/07	1410	GEI Fridge
2.	11/20/07	1050	
3.			
4.	11/20/07	1230	C. Pearley

Turnaround Time (Business days):

Normal _X_   Other ____

10-Day ____   7-Day ____

5-Day ____   3-Day ____

Before submitting rush turnaround samples, you must notify the laboratory to confirm that the TAT can be achieved.

Additional Requirements/Comments/Remarks:

Pricing per "AMRO Environmental Laboratories Corporation, Price Book 2006 for GEI" DCR Contract Rates

V:\Canton, 002914\COC\COC resample of B105D (MW) Nov 19, 2007

SAMPLE RECEIPT CHECKLIST

Client:	GEI CONSULTANTS	AMRO ID:	0711087
Project Name:	DCR CANTON AIRPORT	Date Rec.:	11-20-07
Ship via: (circle one) Fed Ex., UPS (AMRO Courier,)		Date Due:	11-29-07
Hand Del., Other Courier, Other:			

Items to be Checked Upon Receipt	Yes	No	NA	Comments
1. Army Samples received in individual plastic bags?			✔	
2. Custody Seals present?			✔	
3. Custody Seals Intact?			✔	
4. Air Bill included in folder if received?			✔	
5. Is COC included with samples?	✔			
6. Is COC signed and dated by client?	✔			
7. Laboratory receipt temperature. TEMP = 5°				
Samples rec. with ice ✔ ice packs___ neither___				
8. Were samples received the same day they were sampled?		✔		
Is client temperature 4°C ± 2°C?	✔			
If no obtain authorization from the client for the analyses.				
Client authorization from: Date: Obtained by:				
9. Is the COC filled out correctly and completely?	✔			
10. Does the info on the COC match the samples?	✔			
11. Were samples rec. within holding time?	✔			
12. Were all samples properly labeled?	✔			
13. Were all samples properly preserved?	✔			
14. Were proper sample containers used?	✔			
15. Were all samples received intact? (none broken or leaking)	✔			
16. Were VOA vials rec. with no air bubbles?			✔	
17. Were the sample volumes sufficient for requested analysis?	✔			
18. Were all samples received?	✔			
19. VPH and VOA Soils only:			✔	
Sampling Method VPH (circle one): M=Methanol, E=EnCore (air-tight container)				
Sampling Method VOA (circle one): M=Methanol, SB=Sodium Bisulfate, E=EnCore, B=Bulk				
If M or SB:				
Does preservative cover the soil?				
If NO then client must be faxed.				
Does preservation level come close to the fill line on the vial?				
If NO then client must be faxed.				
Were vials provided by AMRO?				
If NO then weights MUST be obtained from client				
Was dry weight aliquot provided?				
If NO then fax client and inform the VOA lab ASAP.				
20. Subcontracted Samples:			✔	
What samples sent:				
Where sent:				
Date:				
Analysis:				
TAT:				
21. Information entered into:				
Internal Tracking Log?	✔			
Dry Weight Log?			✔	
Client Log?			✔	
Composite Log?			✔	
Filtration Log?			✔	

Received By:	CC	Date:	11-20-07	Logged in By:	CC MG	Date:	11-20-07
Labeled By:	CC	Date:	11-20-07	Checked By:	MG	Date:	11-21-07

NA= Not Applicable   qc/qcmemos/forms/samplerec Rev.19 02/14/06

Please Circle if:
Sample= Soil
Sample= Waste

AMRO ID: _O711 087_

Sample ID	Analysis	Volume Sample	Preserv. Listed	Initial pH*	Acceptable? Y or N	List Preserv. Added by AMRO	Solution ID # of Preserv.	Volume Preservative Added	Final adjusted pH	Final adjusted pH (after 16 hours)
O1A	PCB	2-1LA	—	7	Y					

* = if the laboratory preserves the drinking water sample (s) for EPA Method 200 series, sample (s) should be held at least
16 hours prior to analysis

pH Checked By: _____CC_____ Date: _11-20-07_ pH adjusted By: _____ Date: _____

pH Checked By: _____ Date: _____ pH adjusted (16hrs) By: _____ Date: _____

qc/qcmemos/forms/samplerec Rev.19 02/14/06

CLIENT:	GEI Consultants, Inc.	
Project:	00291-4 DCR Canton Airport	**CASE NARRATIVE**
Lab Order:	0711087	

GC/ECD-PCB:

1. No QC deviations were observed.

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: AMRO Environmental Laboratories, Inc.   Project Number: 0711087

Project Location: 00291-4 DCR Canton Airport   MADEP RTN: [1]

0711087-01						

Sample Matrices: Ground Water ☑   Soil / Sediment ☐   Drinking Water ☐   OtherMatrix ☐

MCP SW-846 Methods Used	8260B ☐	8151A ☐	8330 ☐	6010B ☐	7470A/1A ☐
	8270C ☐	8081A ☐	VPH ☐	6020 ☐	9014M [2] ☐
As specified in MADEP	8082 ☑	8021B ☐	EPH ☐	7000S [3] ☐	Other ☐

Compendium of Analytical Methods.

1 List Release Tracking Number (RTN) if known

2 M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method

(check all that apply) 3 S SW-846 Methods 7000 Series List individual method analyte.

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	◉ Yes ○ No [1]
B	Were all QA/QC procedures required for the specified analytical method(s)included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guide lines?	◉ Yes ○ No [1]
C	Does the analytical data included in this report meet all the requirements for Presumptive Certainty, as described in Section 2.0 of the MADEP document CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	◉ Yes ○ No [1]
D	**VPH and EPH methods only:** Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	~~Yes~~ ◉ ~~No~~ N/A PB 12/4/07

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified methods achieved?	◉ Yes ○ No [1]
F	Were results for all analyte-list compounds / elements for the specified method(s) reported?	◉ Yes ○ No [1]

[1] All NO answers must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inqury of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _Paula Benham_   Position: _Lab QC Manager_

Printed Name: _Paula Benham_   Date: _12/4/07_

DATA COMMENT PAGE

Organic Data Qualifiers

ND — Indicates compound was analyzed for, but not detected at or above the reporting limit.

J — Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than the method detection limit.

H — Method prescribed holding time exceeded.

E — This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

B — This flag is used when the analyte is found in the associated blank as well as in the sample.

R — RPD outside accepted recovery limits

RL — Reporting limit; defined as the lowest concentration the laboratory can accurately quantitate.

S — Spike Recovery outside accepted recovery limits.

\# — See Case Narrative

Micro Data Qualifiers

TNTC — Too numerous to count

Inorganic Data Qualifiers

ND or U — Indicates element was analyzed for, but not detected at or above the reporting limit.

J — Indicates a value greater than or equal to the method detection limit, but less than the quantitation limit.

H — Indicates analytical holding time exceedance.

B — Indicates that the analyte is found in the associated blank, as well as in the sample.

MSA — Indicates value determined by the Method of Standard Addition

E — This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

R — RPD outside accepted recovery limits

RL — Reporting limit; defined as the lowest concentration the laboratory can accurately quantitate.

S — Spike Recovery outside accepted recovery limits.

W — Post-digestion spike for Furnace AA analysis is out of control limits (85-115), while sample absorbance is less than 50% of spike absorbance.

* — Duplicate analysis not within control limits.

\+ — Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995

\# — See Case Narrative

Report Comments:
1. Soil, sediment and sludge sample results are reported on a "dry weight" basis.
2. Reporting limits are adjusted for sample size used, dilutions and moisture content, if applicable.

AMRO Environmental Laboratories Corp.

Date: *29-Nov-07*

CLIENT:	GEI Consultants, Inc.	**Client Sample ID:**	002914-B105D (MW)
Lab Order:	0711087	**Collection Date:**	11/19/07 11:46:00 AM
Project:	00291-4 DCR Canton Airport	**Matrix:**	GROUNDWATER
Lab ID:	0711087-01A		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS BY MCP METH SW8082						Analyst: **FQ**
Aroclor 1262	ND	0.20		µg/L	1	11/27/07 1:31:00 AM
Aroclor 1268	ND	0.20		µg/L	1	11/27/07 1:31:00 AM
Aroclor 1016	ND	0.20		µg/L	1	11/27/07 1:31:00 AM
Aroclor 1221	ND	0.20		µg/L	1	11/27/07 1:31:00 AM
Aroclor 1232	ND	0.20		µg/L	1	11/27/07 1:31:00 AM
Aroclor 1242	ND	0.20		µg/L	1	11/27/07 1:31:00 AM
Aroclor 1248	ND	0.20		µg/L	1	11/27/07 1:31:00 AM
Aroclor 1254	ND	0.20		µg/L	1	11/27/07 1:31:00 AM
Aroclor 1260	ND	0.20		µg/L	1	11/27/07 1:31:00 AM
Surr: Decachlorobiphenyl	91.6	30-119		%REC	1	11/27/07 1:31:00 AM
Surr: Tetrachloro-m-xylene	82.2	34-113		%REC	1	11/27/07 1:31:00 AM

AMRO Environmental Laboratories Corp.

Date: *04-Dec-07*

QC SUMMARY REPORT

Method Blank

CLIENT:	GEI Consultants, Inc.
Work Order:	0711087
Project:	00291-4 DCR Canton Airport

Sample ID: **MB-17878**	Batch ID: **17878**	Test Code: **SW8082**	Units: **µg/L**	Analysis Date: **11/27/2007 12:12:00 A**	Prep Date: **11/26/2007**
Client ID:		Run ID: **GC-ELVIS_071126A**		SeqNo: **647658**	

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Aroclor 1262	ND	0.20	µg/L									
Aroclor 1268	ND	0.20	µg/L									
Aroclor 1016	ND	0.20	µg/L									
Aroclor 1221	ND	0.20	µg/L									
Aroclor 1232	ND	0.20	µg/L									
Aroclor 1242	ND	0.20	µg/L									
Aroclor 1248	ND	0.20	µg/L									
Aroclor 1254	ND	0.20	µg/L									
Aroclor 1260	ND	0.20	µg/L									
Surr: Decachlorobiphenyl	0.06898	0	µg/L	0.064	0	108	30	119	0			
Surr: Tetrachloro-m-xylene	0.05123	0	µg/L	0.064	0	80	34	113	0			

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

NA - Not applicable where J values or ND results occur

AMRO Environmental Laboratories Corp.

QC SUMMARY REPORT

CLIENT: GEI Consultants, Inc.

Work Order: 0711087

Project: 00291-4 DCR Canton Airport

Laboratory Control Spike

Sample ID: LCS-17878	Batch ID: 17878	Test Code: **SW8082**	Units: **µg/L**		Analysis Date: **11/27/2007 12:39:00 A**			Prep Date: **11/26/2007**		

Client ID: **GC-ELVIS_071126A** — SeqNo: **647659**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Aroclor 1016	3.303	0.20	µg/L	4	0	82.6	51	125	0			
Aroclor 1260	3.666	0.20	µg/L	4	0	91.6	50	133	0			
Surr: Decachlorobiphenyl	0.07043	0	µg/L	0.064	0	110	30	119	0			
Surr: Tetrachloro-m-xylene	0.06022	0	µg/L	0.064	0	94.1	34	113	0			

Sample ID: LCSD-17878	Batch ID: 17878	Test Code: **SW8082**	Units: **µg/L**		Analysis Date: **11/27/2007 1:05:00 AM**			Prep Date: **11/26/2007**		

Client ID: **GC-ELVIS_071126A** — SeqNo: **647660**

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Aroclor 1016	3.754	0.20	µg/L	4	0	93.9	51	125	3.303	12.8	50	
Aroclor 1260	4.085	0.20	µg/L	4	0	102	50	133	3.666	10.8	50	
Surr: Decachlorobiphenyl	0.07287	0	µg/L	0.064	0	114	30	119	0	0	0	
Surr: Tetrachloro-m-xylene	0.06235	0	µg/L	0.064	0	97.4	34	113	0	0	0	

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

NA - Not applicable where J values or ND results occur

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